

BERNINA®



BERNINA® 1011
Electronic

Instructions Manual



BERNINA® 1011
Electronic

Important Safety Instructions

When using an electrical appliance, basic safety precautions should always be followed, including the following:

Read all instructions before using this sewing machine.

DANGER

To reduce the risk of electric shock:

1. An appliance should never be left unattended when plugged in.
2. Always unplug this appliance from the electric outlet immediately after using and before cleaning.
3. Always unplug before relamping. Replace bulb with same type rated 15 Watts.

WARNING

To reduce the risk of burns, fire, electric shock, or injury to persons:

1. Do not allow to be used as a toy. Close attention is necessary when this appliance is used by or near children.
2. Use this appliance only for its intended use as described in this manual. Use only attachments recommended by the manufacturer as contained in this manual.
3. Never operate this appliance if it has a damaged cord or plug, if it is not working properly, if it has been dropped or damaged, or dropped into water. Return the appliance to the nearest authorized dealer or service center for examination, repair, electrical or mechanical adjustment.

4. Never operate the appliance with any air openings blocked. Keep ventilation openings of the sewing machine and foot control free from accumulation of lint, dust, and loose cloth.

5. Keep fingers away from all moving parts. Special care is required around the sewing machine needle.

6. Always use the proper needle plate. The wrong plate can cause the needle to break.

7. Do not use bent needles.

8. Do not pull or push fabric while stitching. It may deflect the needle causing it to break.

9. Switch the sewing machine off (-O-) when making any adjustments in the needle area, such as threading needle, changing needle, threading bobbin, or changing presser foot, and the like.

10. Always unplug sewing machine from the electrical outlet when removing covers, lubricating, or when making any other user servicing adjustments mentioned in the instruction manual.

11. Never drop or insert any object into any opening.

12. Do not use outdoors.

13. Do not operate where aerosol (spray) products are being used or where oxygen is being administered.

14. To disconnect, turn all controls to the off (-O-) position, then remove plug from outlet.

15. Do not unplug by pulling on cord. To unplug, grasp the plug, not the cord.

Grounding Instructions (for USA, only)

This product must be grounded. In the event of malfunction or break-down, grounding provides a path of least resistance for electric current to reduce the risk of electric shock. This product is equipped with a cord having an equipment-grounding conductor and a grounding plug. The plug must be plugged into an appropriate outlet that is properly installed and grounded in accordance with all local codes and ordinances.

DANGER

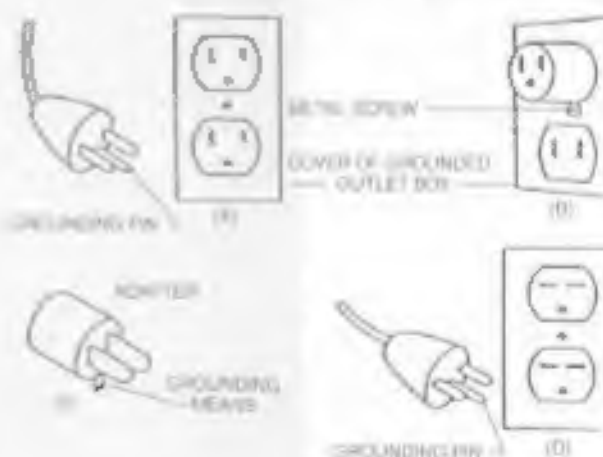
Improper connection of the equipment-grounding conductor can result in a risk of electric shock. The conductor with insulation having an outer surface that is green with or without yellow stripes is the equipment-grounding conductor. If repair or replacement of the cord or plug is necessary, do not connect the equipment-grounding conductor to a live terminal. Check with a qualified electrician or serviceman if the grounding instructions are not completely understood, or if in doubt as to whether the product is properly grounded.

Do not modify the plug provided with the product. If it will not fit the outlet, have a proper outlet installed by a qualified electrician.

This product is for use on a nominal 120 V circuit and has a grounding plug that looks like the plug illustrated in sketch A. A temporary adapter, which looks like the adapter illustrated in sketches B and C, may be used to connect this plug to a

2-pole receptacle as shown in sketch B if a properly grounded outlet is not available. The temporary adapter should be used only until a properly grounded outlet can be installed by a qualified electrician. The green colored rigid ear lug and the like, extending from the adapter must be connected to a permanent ground such as a properly grounded outlet box cover. Whenever the adapter is used, it must be held in place by the metal screw.

GROUNDING METHODS





Dear Bernina Customer

Congratulations on choosing a Bernina 1011. You are now the proud owner of a sewing machine which fulfils every expectation in terms of use and quality. You own a first class product which will give you sewing pleasure for many years to come.

Some hundred years ago, my great grandfather invented the first ever hemstitch machine. This was the beginning of the Bernina family business and I am proud to be the fourth generation member of the family to take responsibility for the company. I am delighted to welcome you to the millions of satisfied Bernina owners around the world.

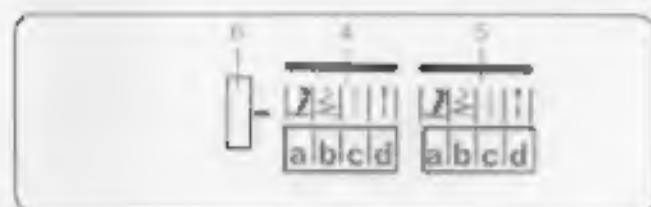
If you require any further information about your sewing machine or sewing in general, please do not hesitate to contact your Bernina dealer who will be delighted to help you.

I wish you very happy and successful sewing.

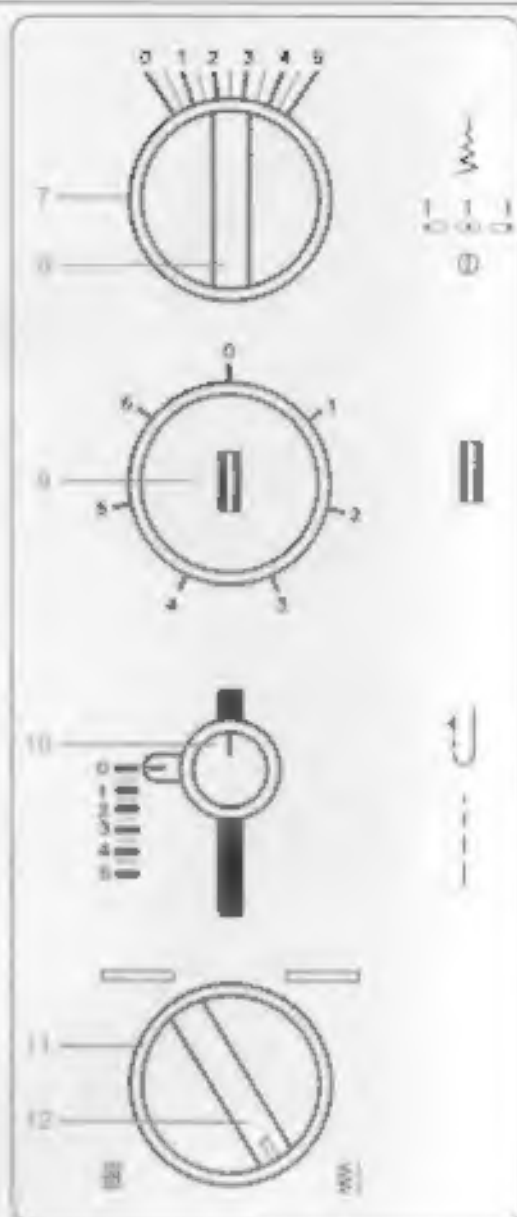
Yours truly,

Hanspeter Utsch
President

Display / Control panel



- 1 Red stitch programme
- 2 Green stitch programme
- 3 Selector lever
- 4 Basic setting scale, red stitches
 - a. Presser foot indicator
 - b. Stitch width
 - c. Stitch length
 - d. Needle position
- 5 Basic setting scale, green stitches
 - a. Presser foot indicator
 - b. Stitch width
 - c. Stitch length
 - d. Needle position
- 6 Pattern indicator
- 7 Stitch width knob
- 8 Needle position knob
- 9 Buttonhole knob
- 10 Stitch length knob
- 11 Red-Green stitch programme selector knob
- 12 Foot-dog knob



Details of machine

- 1 Hinged front cover
- 2 Stitch plate
- 3 Presser foot
- 4 Needle clamp
- 5 Thread regulator
- 6 Pattern indicator
- 7 Thread take-up lever
- 8 Pre-tension stud
- 9 Thread tension slot
- 10 Adjusting knob for thread tension
- 11 Basic setting scale
- 12 Red stitches
- 13 Green stitches
- 14 Selector lever
- 15 Bobbin spindle
- 16 Engaging lever for bobbin winder
- 17 Handwheel
- 18 Stitch width knob
- 19 Needle position knob
- 20 Power switch
- 21 Buttonhole knob
- 22 Stitch length knob
- 23 Socket for foot control unit/ socket for mains cable
- 24 Securing pins for sewing table
- 25 Indicator for stitch programme (RED-GREEN)
- 26 Stitch programme selector knob
- 27 Selector knob for sewing/darning
- 28 Thread holder pins
- 29 Supplementary thread guide
- 30 Carrying handle
- 31 Thread guide
- 32 Presser foot lever
- 33 Thread cutter



Setting up the sewing machine	1
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Threads	9
Needles	
Presser feet	
Practical stitches	
Decorative stitches	

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Setting up the
sewing machine

Cover, Accessories



Cover, accessories

The cover protects the machine from dust and dirt.

The outside pocket provides storage for the instruction manual, foot control and cable.

The machine is very easy to carry with the practical, retractable handle.

Standard accessories

6 bobbins
Needle assortment
Ruler/template
Seam ripper
Small screwdriver
Special screwdriver
Bulb holder
Cleaning brush
Oiler, filled
Seam/quilting guide
Reverse pattern foot
Overlock foot
Blind stitch foot
Buttonhole foot
Zip foot
Darning tool
Darning ring



Accessories box

The accessories are neatly stored in the accessories box (Fig. 2).

Fitting the accessories box onto the machine

The accessories box has two fixing lugs that fit into the base plate of the machine.

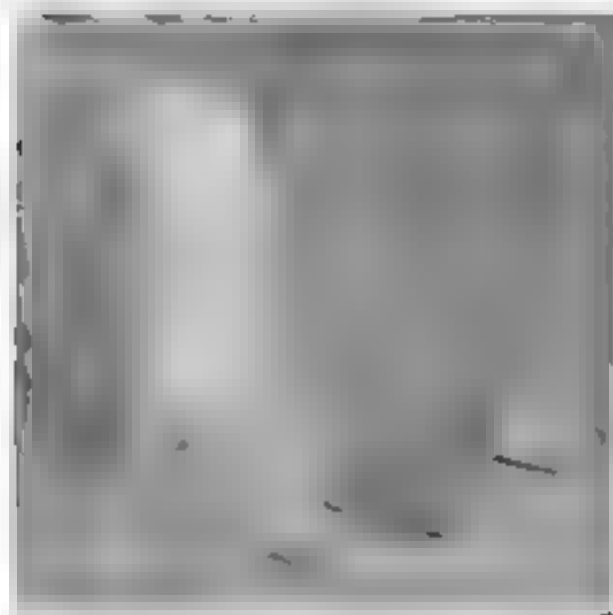
Removing the accessories box

Simply push the accessories box backwards (Fig. 3).

Lay the accessories box onto the base plate from the rear and press against the free arm until the fixing lugs engage in the holes provided (Fig. 4).

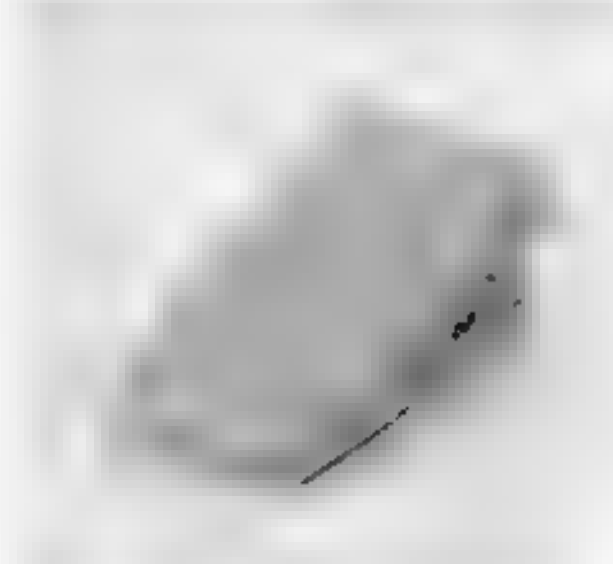


Mains cable, foot control unit, sewing light, power switch

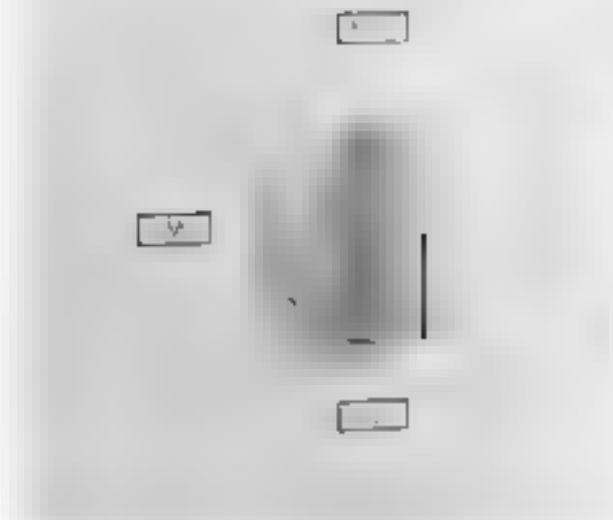


Connecting mains cable
and foot control unit

Foot control unit



Power switch
sewing light

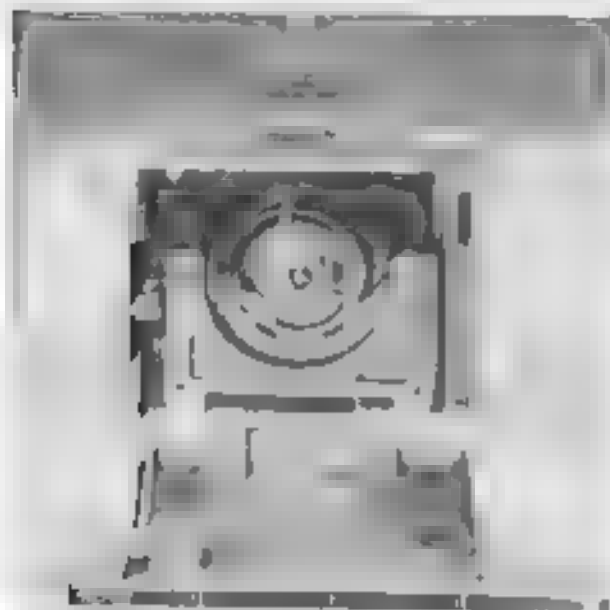


On

• On The machine

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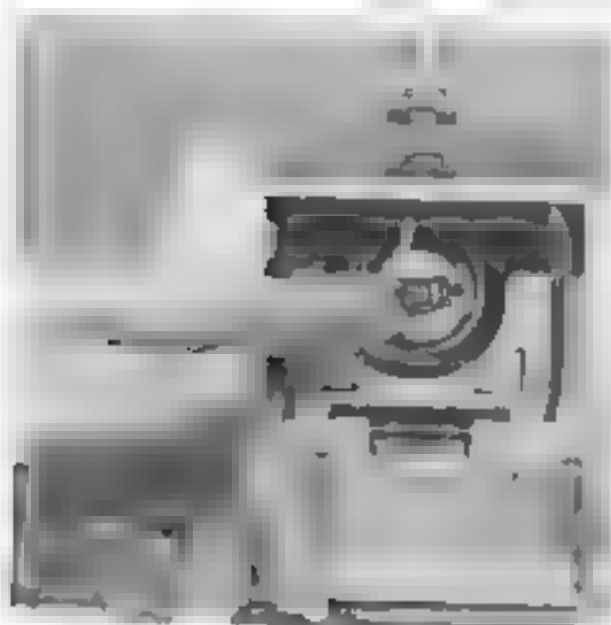
Bobbin case and bobbin, winding lower thread



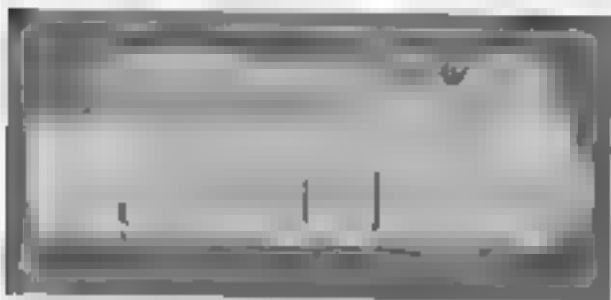
Removing the bobbin case

WARNING:

Please refer to the safety instructions.

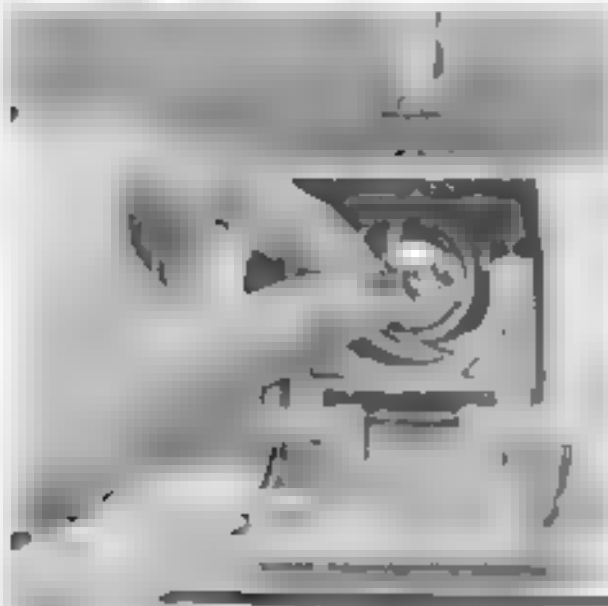
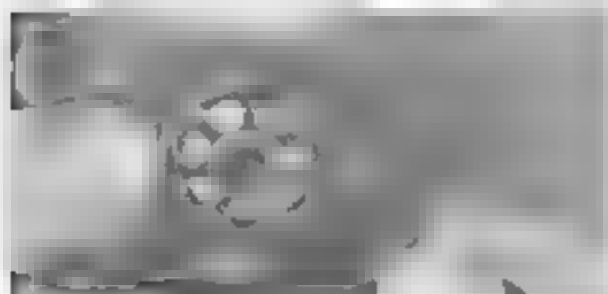


Winding lower thread

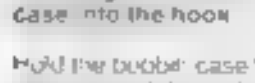


After the thread is wound onto the bobbin, cut the thread by pulling it to the left.

Inserting the bobbin



Inserting the bobbin



Inserting the bobbin Case into the hook

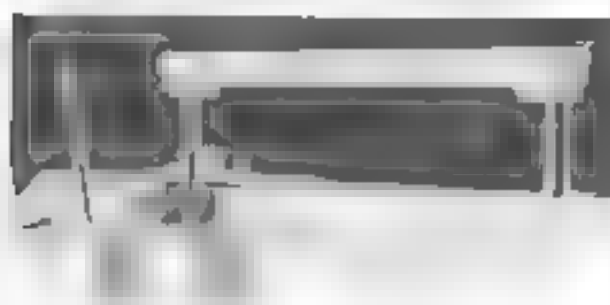
Hold the bobbin case by
the top with the index
finger and thumb of the
right hand and insert it into

Threading the upper thread

Threading the upper thread

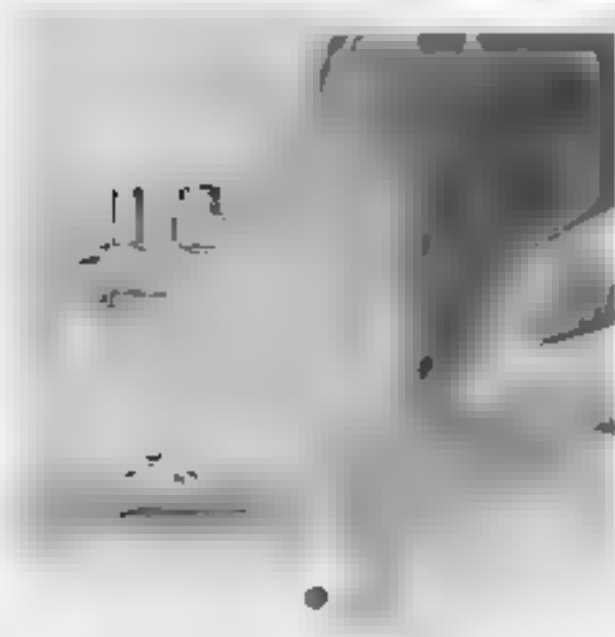
WARNING:

SAFETY INSTRUCTIONS



Supplementary thread guide on handle

Bringing up the lower thread, thread tension, feed-dog



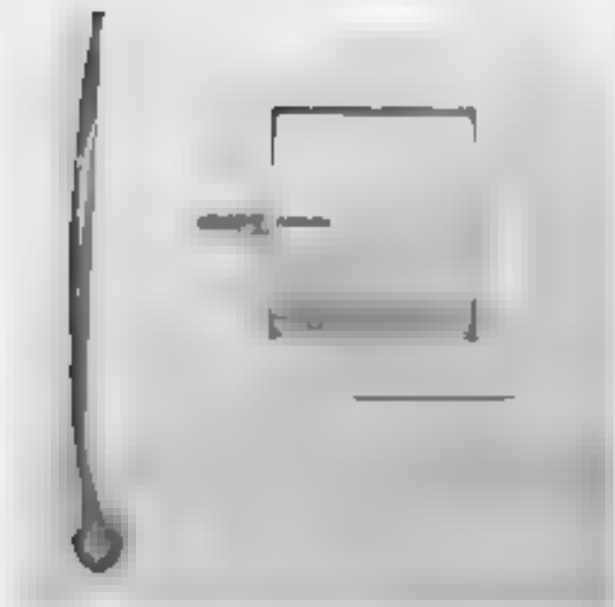
Bringing up the lower thread

Hold the end of the lower

thread and pull it up through the fabric. The lower thread will come out of the needle. The upper thread will stay in the needle.

Instead of using the needle stop, the lower thread will also be brought up by turning the

regulating dial to the position in this case the upper thread will be left with the lower thread.



Thread tension

Adjust the thread tension by turning the regulating dial to the position in this case the upper thread will be left with the lower thread.

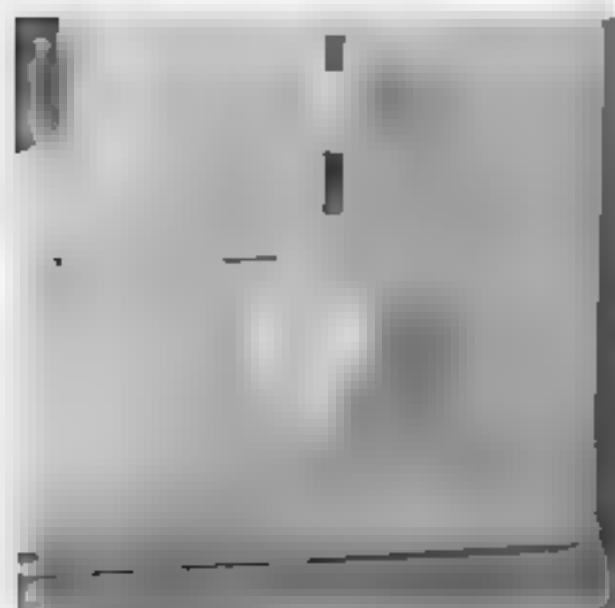
Setting

The thread tension is set by turning the regulating dial to the position in this case the upper thread will be left with the lower thread.

Turning the regulating dial to the position in this case the upper thread will be left with the lower thread. The thread tension is set by turning the regulating dial to the position in this case the upper thread will be left with the lower thread.

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Lowering the feed-dog

For certain styles of sewing, e.g. for darning, the feed-dog must not be moved by the feed. Therefore the feed-dog must be lowered by turning the knob to the left so that the mark points to the symbol.

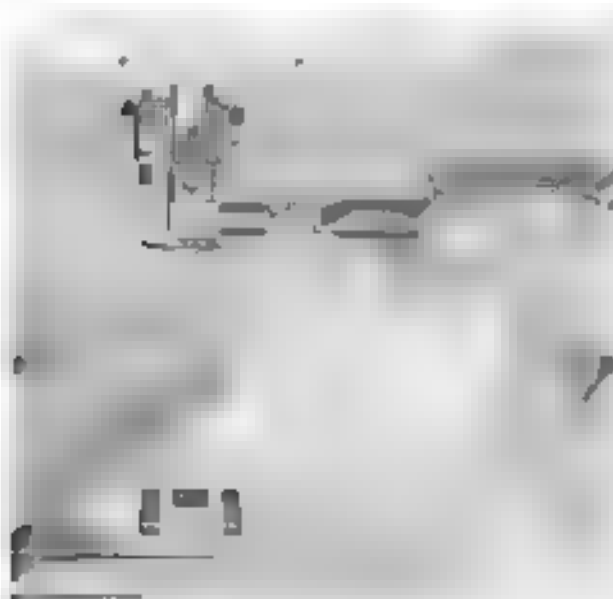
For all normal sewing the

point to symbol:



To remove the work, raise the presser foot, pull work out to the left, and hook both threads into the thread clip. The thread ends free themselves when you start sewing again.

Inserting the needle, changing presser feet




Inserting the needle

A small brown screw driver for slackening or tightening the needle clamping screw is provided at the

Tighten the needle clamping screw securely

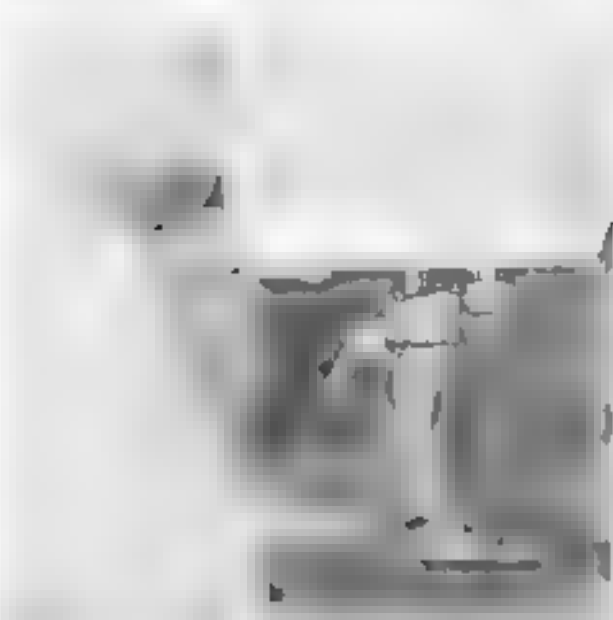
WARNING:

Please refer to the Safety Instructions

Set the power switch to the  position. Check that the needle is in the

To slacken the needle clamping screw turn the

To insert the needle. The upper thread is always be



Changing presser foot

Raise the presser foot to 2

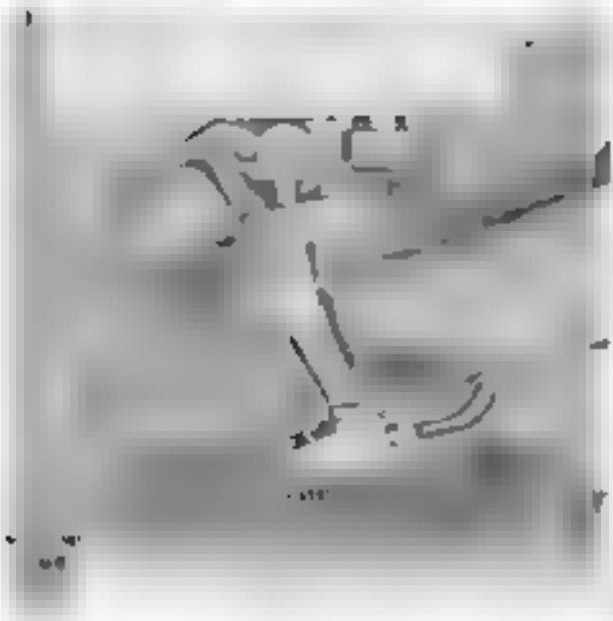
on the correct choice of presser foot. The presser foot are color and print

with the index finger of the right hand and using the middle finger and thumb remove the previous foot (Fig. 3)

To attach the presser

Check that the needle is in the raised position

The procedure is the same as above. To simplify lower down wards with the index finger (Fig. 4)



Threads

Needles

Presser feet

Practical stitches

Decorative stitches

Feed-dog and fabric feed

1 Feed-dog and stitch length

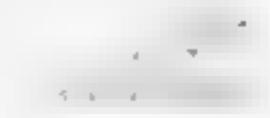


With an extremely short stitch length, the steps are extremely short. The fabric moves under the presser foot slowly. For example, buttonholes and satin stitching are sewn with this short stitch length.

2 Feed-dog and fabric feed



With a normal stitch length, the steps are of normal length. The fabric moves under the presser foot at a normal speed. For example, most types of sewing are done with this normal stitch length.



With a long stitch length, the steps are long. The fabric moves under the presser foot quickly. For example, topstitching and basting are done with this long stitch length.

If the presser foot is lifted or turned, the feed-dog will be unable to grip the fabric. The work will slide.

3 Feed-dog and the sewing of corners



When sewing a corner, the feed-dog must be able to grip the fabric. If the feed-dog is lifted or turned, the fabric will slide and the corner will not be sewn correctly.

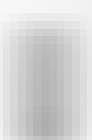


When sewing a corner, the feed-dog must be able to grip the fabric. If the feed-dog is lifted or turned, the fabric will slide and the corner will not be sewn correctly.

When sewing a corner, the feed-dog must be able to grip the fabric. If the feed-dog is lifted or turned, the fabric will slide and the corner will not be sewn correctly.

Important

a Make sure that the fabric



b If the presser foot is lifted

or turned, the feed-dog will be unable to grip the fabric. The work will slide.

c Holding back will result in pile-ups.



d Place a piece of fabric neatly next



Holding back will result in pile-ups.



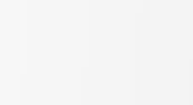
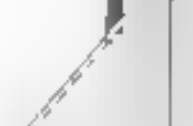
Place a piece of fabric neatly next



e If the fabric is not held back, the feed-dog will not be able to grip the fabric. The work will slide.



f If the fabric is not held back, the feed-dog will not be able to grip the fabric. The work will slide.



Threads and needles

The importance of the sewing machine needle

Needles and the sewing machine

Your REFURINA has a 30-705 H needle system. Make sure, when buying new needles, that they are the 30-705 H.

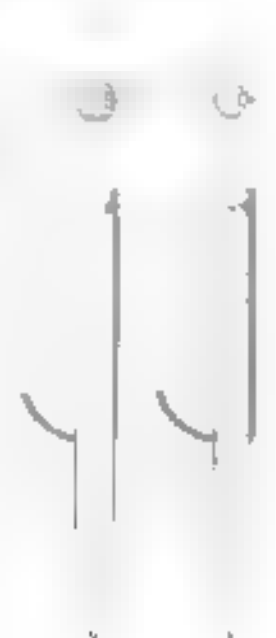
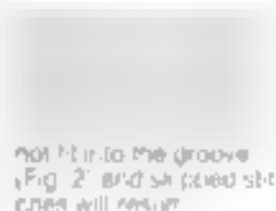


Opposite applies: The finer the thread, the higher the number.

The table below shows which needle should be selected for which thread.

Needles and thread

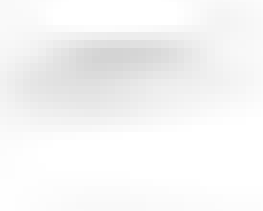
The needle size required depends on the thread selected. The needle must match the thread.



Needle and fabric

Needle condition

The needle must be in perfect condition. Sewing problems are caused by:



Needle - Thread Table

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100
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1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100
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Presser feet

Presser feet are an important aid to sewing.

It is

wrong to
choose the wrong
correct choice of presser
foot

1



Reversible pattern foot

Reversible pattern foot
Reversible pattern foot

2



Overlock foot

3



Buttonhole foot

4



Zip foot

5



Blind stitch foot

Blind stitch foot
Blind stitch foot

6



Darning foot

Free hand monograms
Free hand monograms

Range of applications Green practical stitches

1 Straight stitch



2 Zig-zag stitch



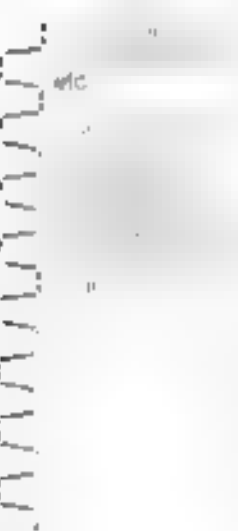
3 Sewn-out zig-zag



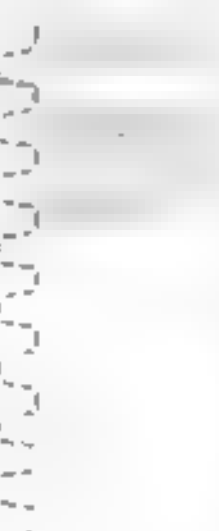
4 Blind stitch



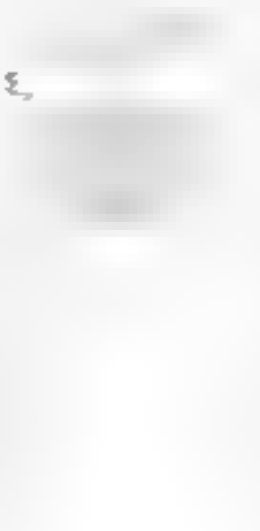
5 Universal stitch



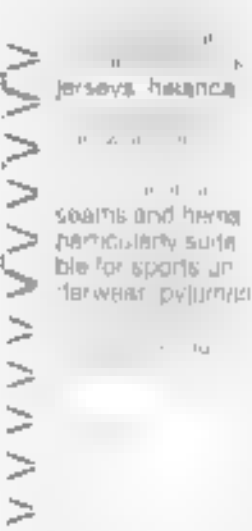
6 Lycra stitch



7 Stretch stitch



8 Vari-overlock



9 Running stitch



10 Scallop stitch



11 Decorative stitches



Range of applications

Red practical stitches

Red decorative stitches

12 Triple straight stitch



Hard wearing seams for joining pieces of fabric or top stitching of

13 Triple zig-zag



For denim, cor

seams for T-shirts

14 Honeycomb stitch



For many types of

seams for T-shirts

15 Towelling stitch



Primarily

seams for T-shirts

16 Double overlock



For all types of fabrics and

Overlock seam: Sewing and over sewing in one operation for a strong finish

17 Jersey stitch



18 Edge stitch

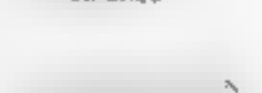


19 Reinforced overlock stitch



For swatching material, towel ling, medium knits

20 Decorative stitches



The pattern indicator



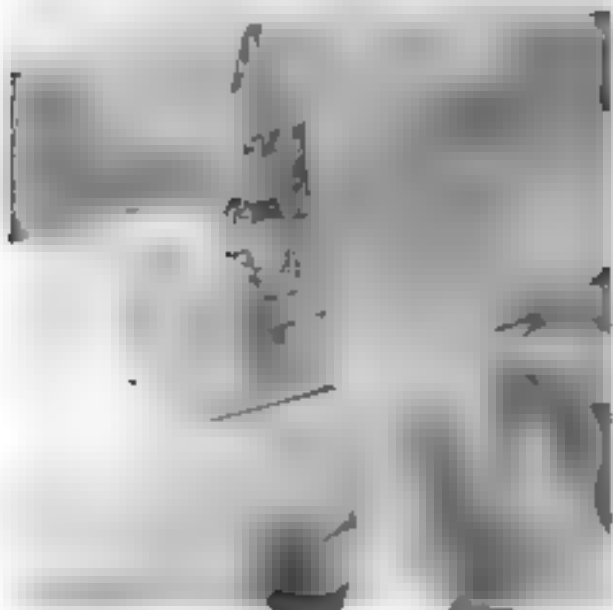
b The black mark shows the centre of the pattern

c The broken bar (horizontal black marks) warns that the pattern is nearly finished



b)

Sewing tips



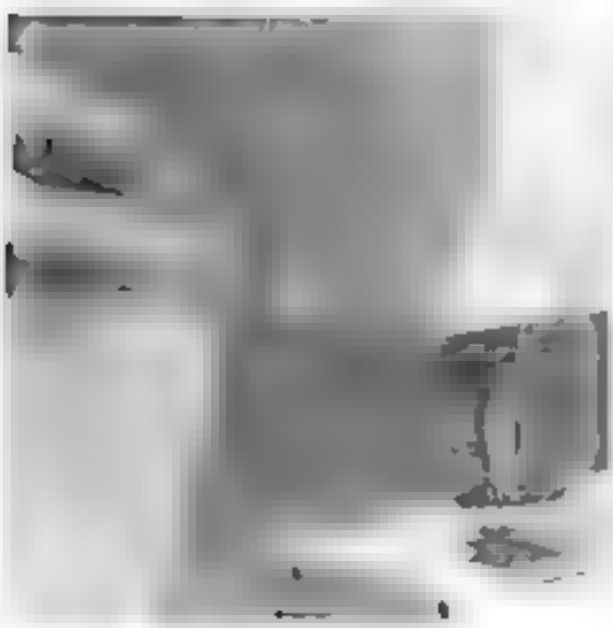
A few hints

Set your Bernina far enough away from the table edge. Correct sitting position is essential for guiding of the work. To make sewing easier, sit high, in front of the machine, in front of the working area. This will enable you to adjust the working area.

Ensure that the height of your chair allows you to work comfortably.

It's best to guide the work from the side with the fingers of the left hand, close to the presser foot. When sewing delicate work, it is preferable to stop and

adjust the fabric with the work held beneath the fingers.



move the work.

Use the right hand for

Practical sewing

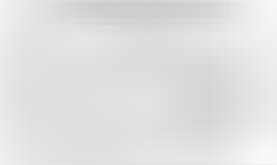
Straight stitch Needle position



Forward sewing



Reverse sewing



Securing the ends



Securing thick seams



Stitch width Needle position

Buttonhole



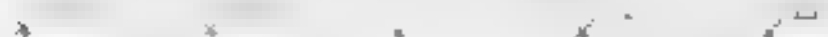
Stitch length Normal stitch length is approx. 2

Colour indicator

Feed dog

Five needle positions

can be set to left and right
in five positions with the



For normal sewing, the
needle is in the centre

Examples of use



Zig-zag Satin stitch

Setting zig-zag

Presser foot

11

Needle position

Feed dog

Stitch indicator

Centre

sewing

12

Setting zig-zag width and length

Stitch width and length can be altered independently of each other while the machine is stopped.

Set the width of the zig-zag stitch with the stitch width knob. Turn completely clockwise up to 5 mm. The needle must not be left in the work when the machine is stopped.

almost

Satin stitch = close zig-zag

Presser foot

1

Needle

BC

Stitch width

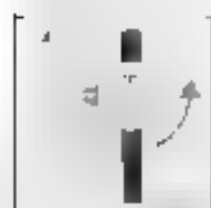
Stitch length

Set stitch length to very close zig-zag

Turn stitch length knob to the full 11 and lock.

13

at the top. Stitch length is 11.



Oversewing edges

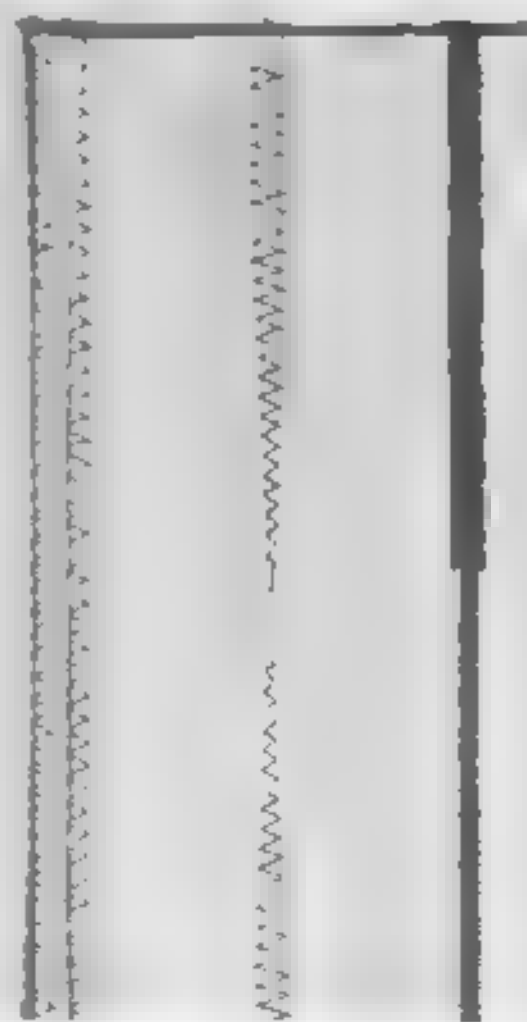
14

15

16

generally the zig-zag

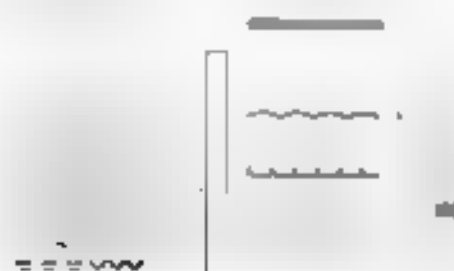
stitch length too long



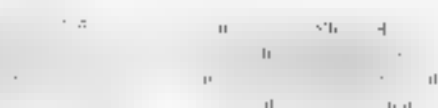
Selecting green stitches

Push the selector lever to the right to disengage sewing.

Set the colour indicator to green.



Basic setting scale



Examples for choosing a stitch

For more information, see the instruction manual.

Universal stitch



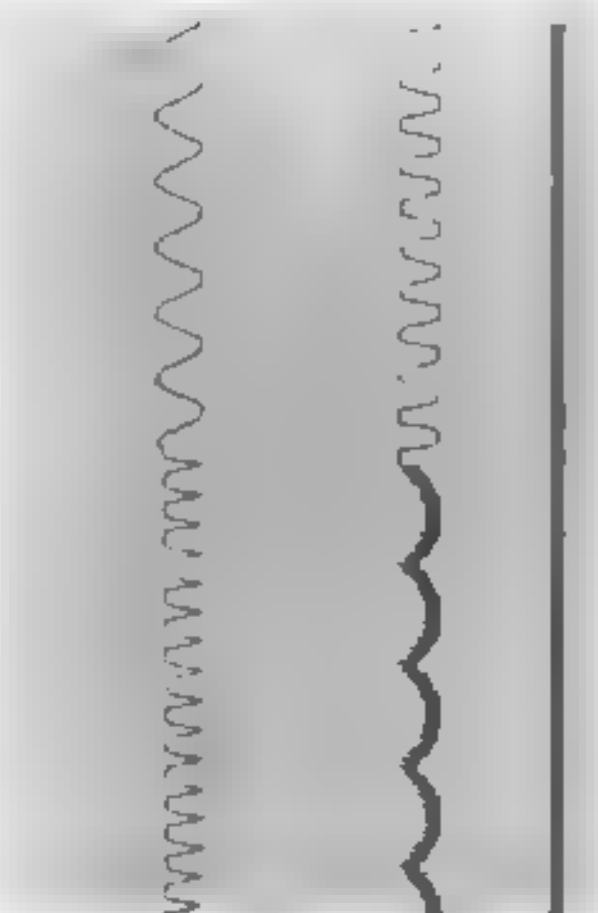
Scallop stitch



Running stitch



Varl-overlock



Sewing knitted fabrics

eg. interlock jersey

Notes: the following points

1 Use a perfect needle
Even a very slightly blunt

2 Use fine sewing thread

Jerseys: Coarse thread
will also damage the knit

3 Use darning thread for
basting. After the seam
has been sewn, darning
thread is more easily
removed than the coil
underneath thicker and
shorter fibre basting

4 Press with care as it
is sewn. This will make
subsequent work easier

5 Sew a sample to test
the stretch of the stitch
The seam should be as



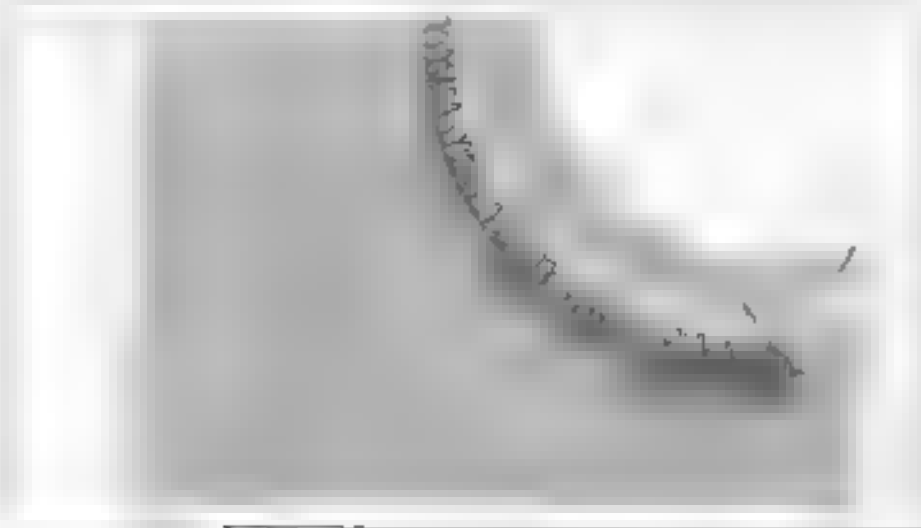
Neckband with
visible seam
suitable for knitted cotton

Presser
Thread
Needle

Needle position
Feeding



Neckband with
overlock seam



Practical stitch hems

Preparation:

Press the hem down with the iron when working.

1. Fold the fabric over twice.

Visible hem with Jersey stitch

1. Fold the fabric over twice.

2. Sew the hem with a Jersey stitch.

3. Press the hem down with the iron.

4. Press the hem down with the iron.

Visible hem with Flat overlock

1. Fold the fabric over twice.

2. Sew the hem with a Flat overlock.

3. Press the hem down with the iron.

4. Press the hem down with the iron.

Visible hem with Triple zig-zag

1. Fold the fabric over twice.

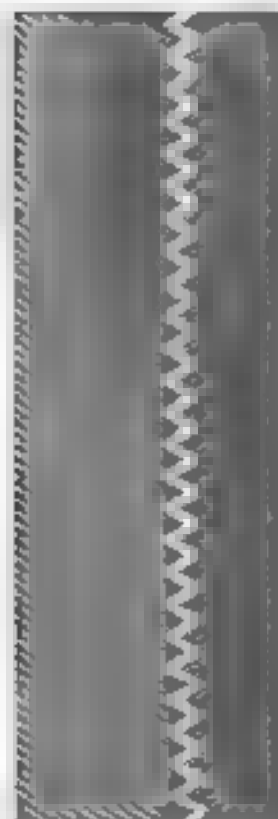
2. Sew the hem with a Triple zig-zag.

3. Press the hem down with the iron.

4. Press the hem down with the iron.

5. Press the hem down with the iron.

6. Press the hem down with the iron.

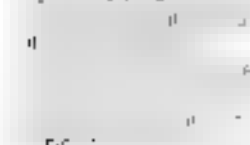


Practical stitch seams

There are three types of

Triple straight stitch seam, open seam

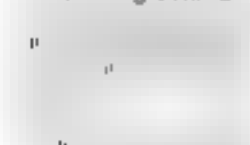
Open seams



Overlock seams



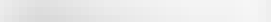
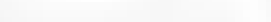
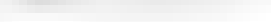
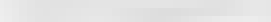
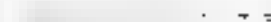
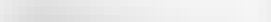
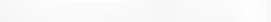
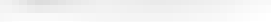
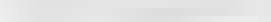
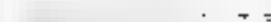
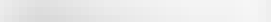
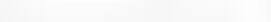
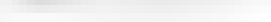
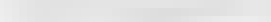
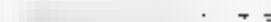
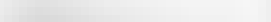
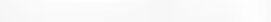
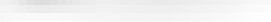
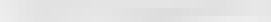
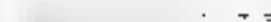
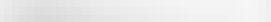
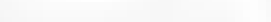
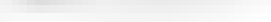
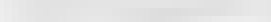
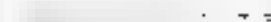
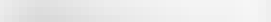
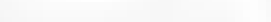
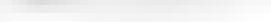
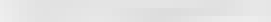
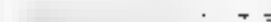
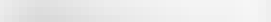
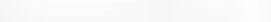
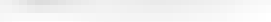
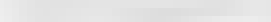
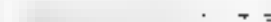
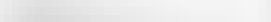
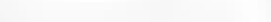
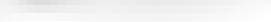
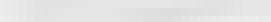
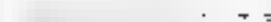
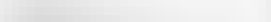
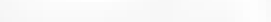
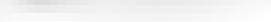
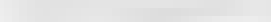
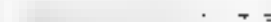
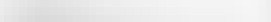
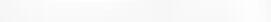
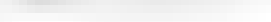
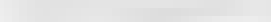
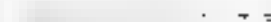
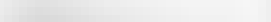
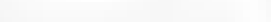
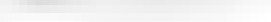
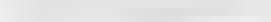
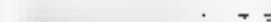
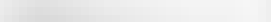
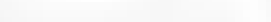
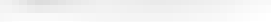
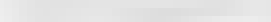
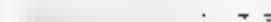
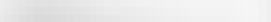
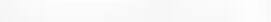
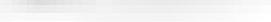
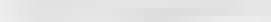
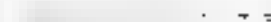
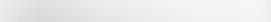
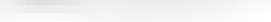
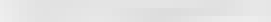
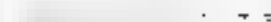
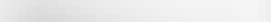
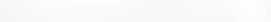
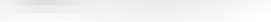
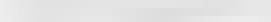
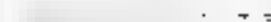
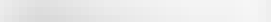
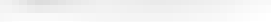
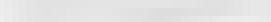
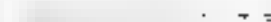
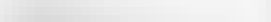
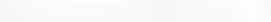
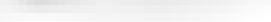
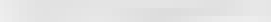
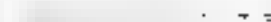
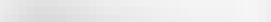
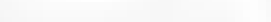
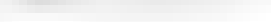
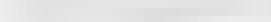
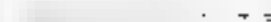
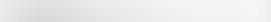
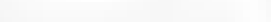
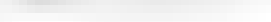
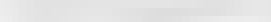
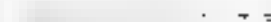
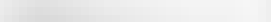
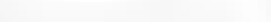
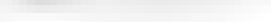
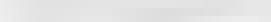
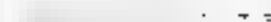
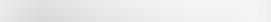
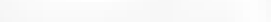
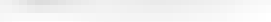
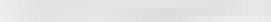
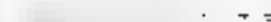
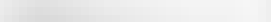
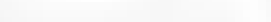
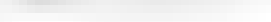
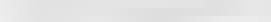
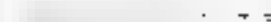
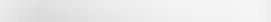
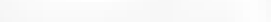
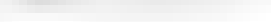
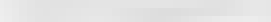
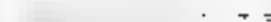
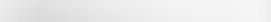
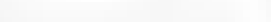
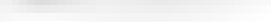
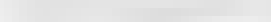
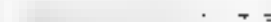
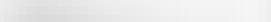
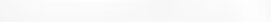
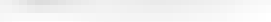
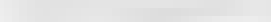
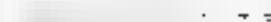
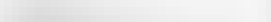
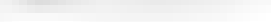
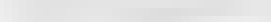
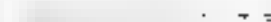
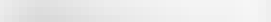
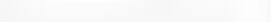
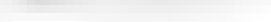
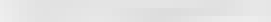
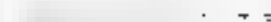
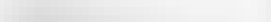
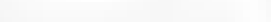
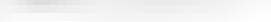
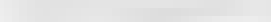
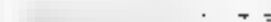
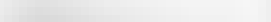
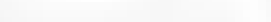
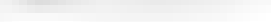
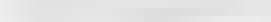
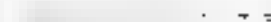
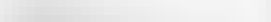
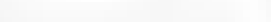
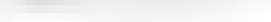
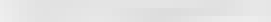
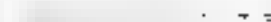
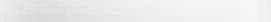
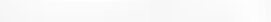
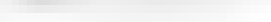
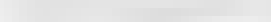
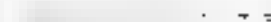
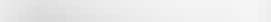
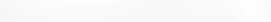
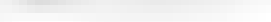
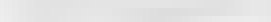
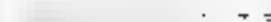
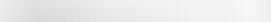
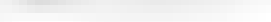
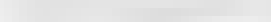
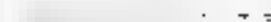
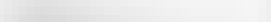
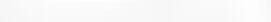
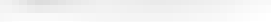
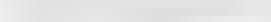
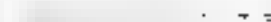
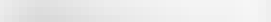
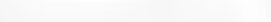
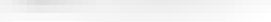
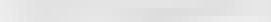
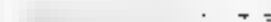
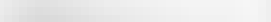
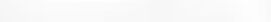
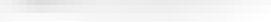
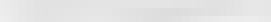
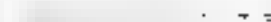
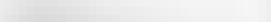
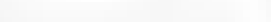
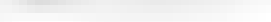
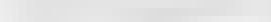
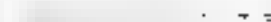
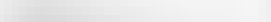
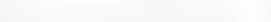
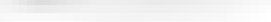
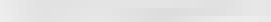
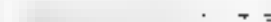
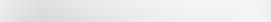
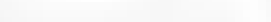
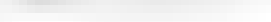
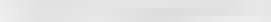
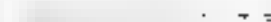
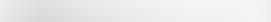
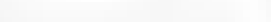
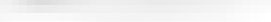
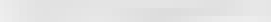
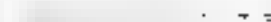
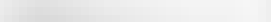
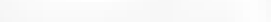
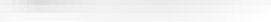
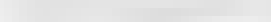
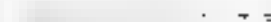
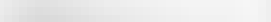
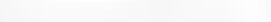
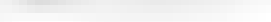
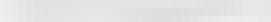
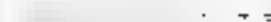
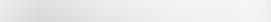
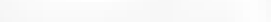
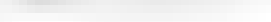
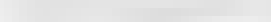
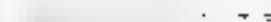
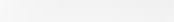
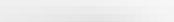
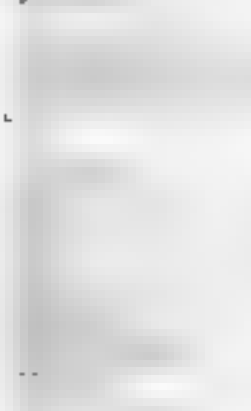
Flat joining seams



Zig-zag seam open seam



Stretch seam, open seam



Practical stitch seams

Flat overlock seam

Flat overlock seam for
all fine jersey fabrics

Presser foot	190
Stitch width	2.5
Stitch length	2.5
Needle position	centre
Foot dog	sewing
Colour indicator	

Double overlock seam

Double overlock seam for
all thicker or loosely

Presser foot	190
Stitch width	5
Stitch length	2
Needle position	centre
Foot dog	sewing
Colour indicator	

Reinforced overlock seam

Reinforced overlock seam for
knitted or sportswear

Stitch	2.5
Stitch width	4.5
Stitch length	2
Needle position	centre
Foot dog	sewing
Colour indicator	

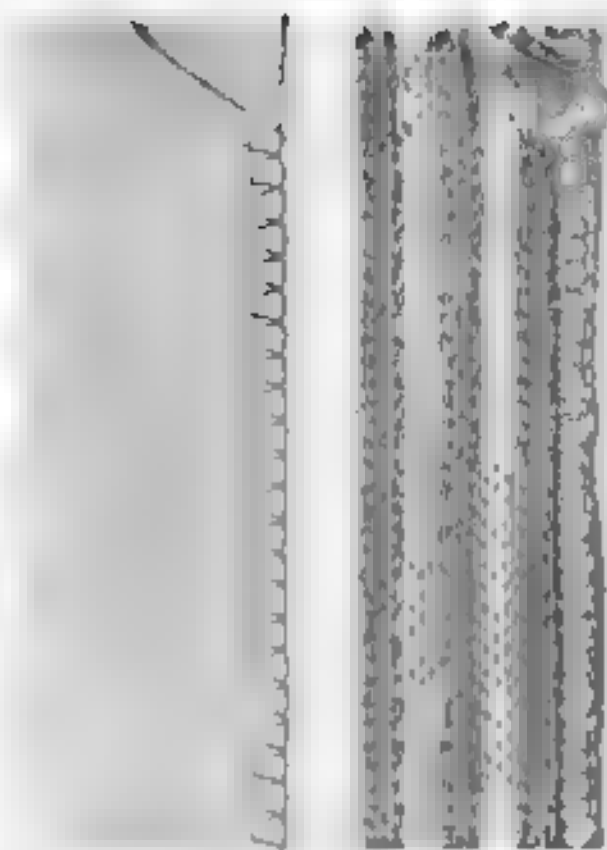
Flat seam

Flat seam for towel-ing, casual wear, crafts etc.
all (except Denim)

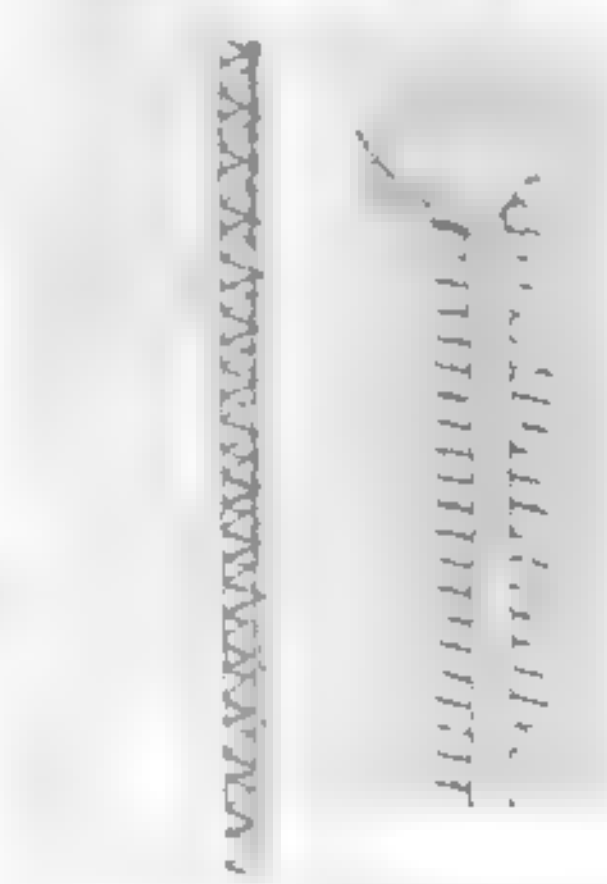
Presser foot	190
Stitch	2.5
Stitch width	2.5
Stitch length	2.5
Needle position	centre
Foot dog	sewing
Colour indicator	

Reminder

For sewing knitted fabrics see page 22



Double overlock seam



Zips Plastics/leather

Zip fastener
inserted flat

Plastics



Preparation

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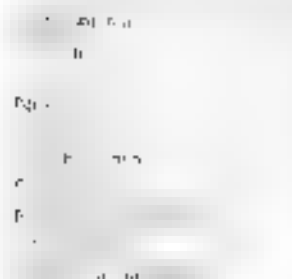
Seam / quilting guide

Sewing with seam quilting guide

Insert the seam quilting guide and the centre of
between the seam quilting between the rows of sewing



Blind hemming



Important

As with hand sewing, fine advice: require a fine needle and fine thread.

Preparation

The hem should be prepared in the same way as for sewing by hand. Oversew raw edge, baste and press.

Positioning the hem

Under the foot as shown.

Sewing test

Either on a scrap of fabric or directly on the hem.

Given the variations in fabric thicknesses, it is advisable to sew a test piece first. As when sewing by hand, the needle should only catch the fold of the fabric.

Because of these variations, a slight adjustment may be necessary.

Set the needle position to right or half right.

Sew slowly until the needle swings to the left.

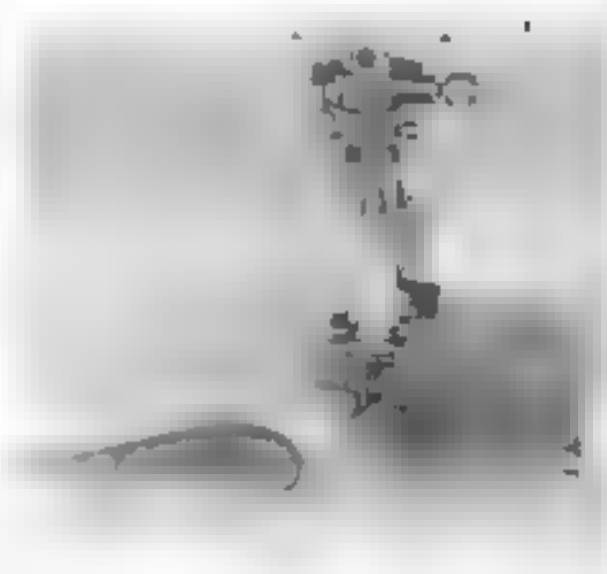
Using the handwheel, bring the needle down until it is just about to enter

the fabric. If necessary, adjust the stitch width slightly.

Narrower if the needle is going in too far and a little wider if it is failing to

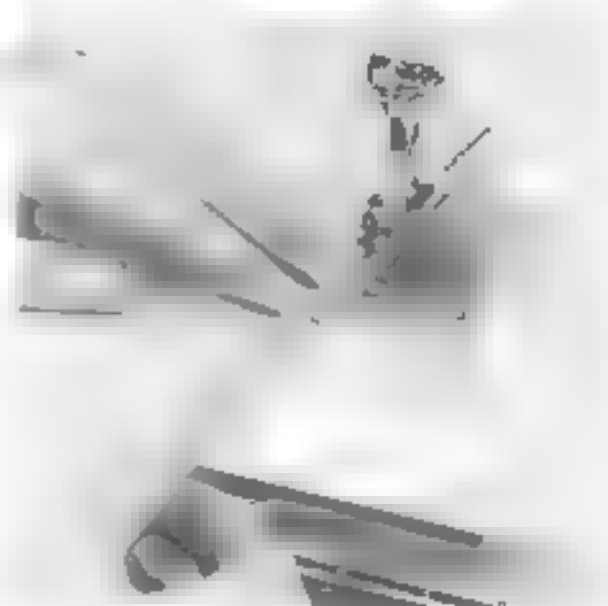
check the next zig-zag stitch in the same way.

Then sew for approximately 10 cm (4") and check again.



Guiding the work

straight. Tip: While sewing, hold the under fabric back slightly (Fig. 2).



Edge stitching using the needle position

2.5" 11" 11" 11" 11" 11"

1. 11"

2. 11"

3. 11"

4. 11"



the guide of the Blind

the
presser foot or along the

Widths



Buttonhole

Stitch length
Needle position
Feed-dog
Colour indicator

To sew buttonholes, thread the lower thread through the finger of the button case (Fig. 2).

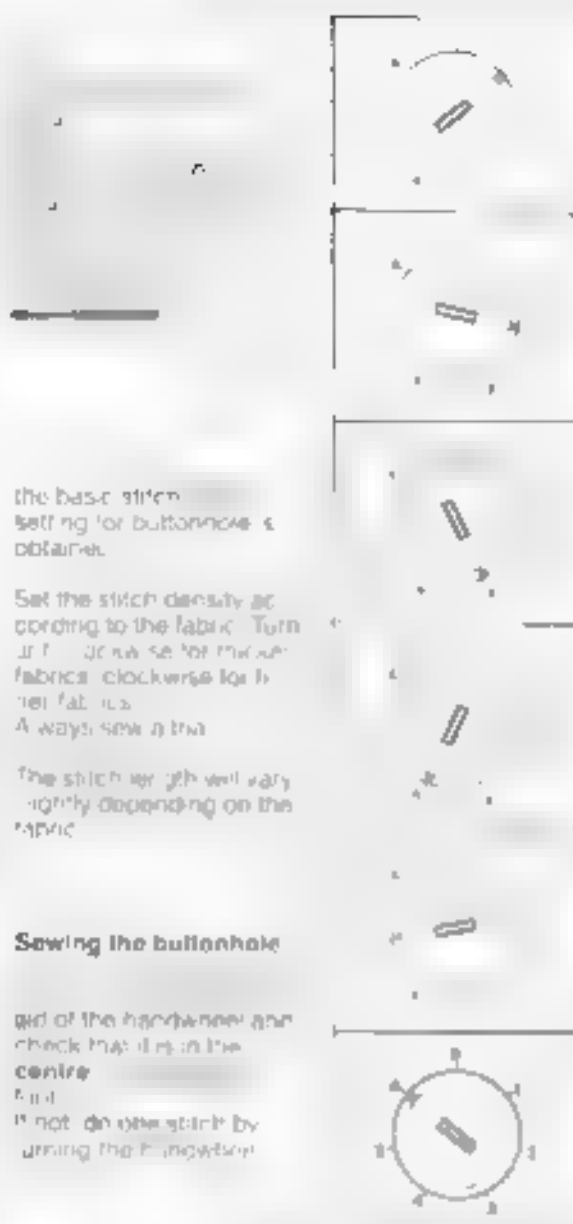


Setting buttonhole

Fig. 2)



2. Set stitch length. Turn knob to the right until it clicks. The mark will be at the top (Fig. 3). Stitch length is 0. Fly to the right half a turn to the left mark at the bottom.



the basic stitch setting for buttonhole is obtained.

Set the stitch density according to the fabric. Turn it clockwise for thicker fabrics, clockwise for thinner fabrics.

The stitch length will vary slightly depending on the fabric.

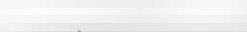
Sewing the buttonhole

aid of the handwheel and check that it is in the centre. If not, do the stitch by turning the handwheel.

Further buttonholes

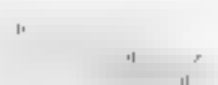


Cutting the buttonhole open



lay the fabric under the foot so that the edge of the fabric lies in front of the presser foot (Fig. 4). Lower the handwheel to the fabric precisely at the start of the buttonhole. Lower the presser foot and sew the buttonhole.

The machine sews the final dead foot stitch.



Knob to 5. The machine sews the last stitch.

Knob to 6. The machine sews the securing stitch.

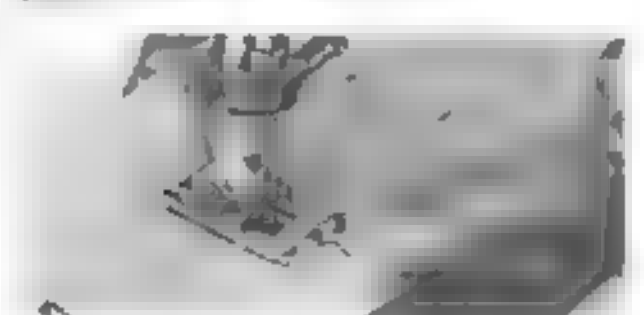
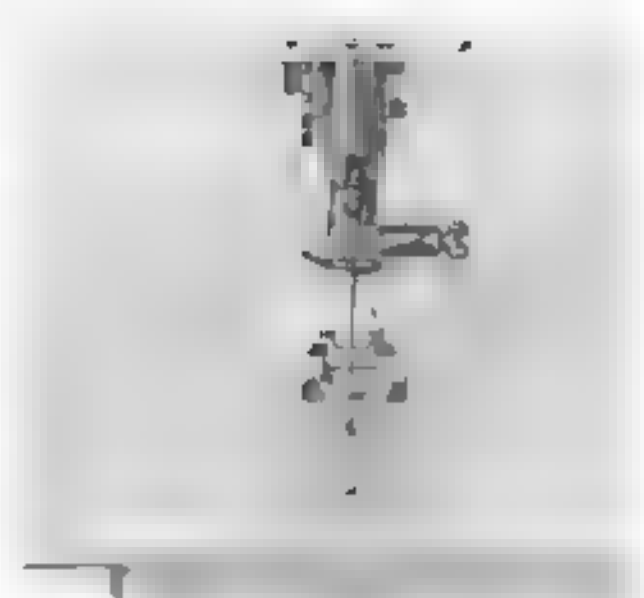


With gimp cord

Buttonhole with gimp cord



Sewing with gimp cord



Mending woven fabric

Mending cars using Ruritig stick



Patching with Running stitch



for ovalis and choleliths is 5

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1st step

Figure with 3 panels: (a) 2D map, (b) 3D map, (c) 3D map with color scale.

2nd step

5
 2000 14 111

and that the head-
its right swing just
to the edge of the

3rd step

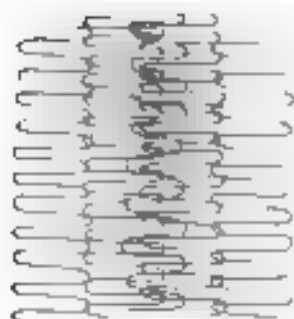


Sew a straight stitch on

make it easier to cut away

Always lay a line of wire underneath. Or use a new 3-5 rows of Ruffing wire, depending on the

In the above few brief
 words, I have tried to
 show that the
 various groups are
 not only



Darning

Principles of darning

Hold the fabric with your left hand and not by the feed-dog. It is important to guide evenly when darning.

→ Use the sewing table

It is machine-
safe, away from the
door.

Recommendation

• A darning or embroidery
ring in keep the darning
neat.

Move the ring back
wards and forwards with

your thumb and index
finger. Thread breakage will

• Always work from left to
right, moving up and
down over the hole. Do
not move the hoop from
side to side.

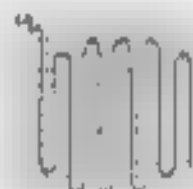
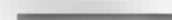
• The ideal way to hold
the ring is with the index
finger and thumb in the
outside of the ring, held
firmly to give a smooth
finish.

→
Thread

important

darning thread Max hoop

Darning technique



The three steps

1. The first step is to

finish at the top of the
hole.

2. The second step is to
finish at the bottom of the
hole.

3. The third step is to
finish at the top of the
hole. The stitches will be in the
same direction so that the
hole is closed.

4. The fourth step is to
finish at the bottom of the
hole. The stitches will be in the
same direction so that the
hole is closed.

5. The fifth step is to
finish at the top of the
hole. The stitches will be in the
same direction so that the
hole is closed.

Main faults

• Thread frequently breaks
Fabric is guided un-
evenly
Darning is unattractive

• Fabric is guided too

Small knots form on the

• Fabric is guided too
slowly



Darning with small darning ring

The small darning ring

The small darning ring is particularly practical for darning small items worn on the feet. It is also used for darning underwear of all kinds, like socks and pull-overs, eg. in Helanna.



Stretching the work

Put the darning ring without the spring clip on the free arm (Fig. 1). Slide the garment over to the free arm and the darning ring. Push the darning ring out as far as possible to the left.



Place the index finger and thumb of the right hand on the darning ring.

Place the index finger and thumb of the left hand on the darning ring (Fig. 2).



With the right hand, place the index finger and thumb on the darning ring (Fig. 3).

Darning technique

Tubular items are usually darned with the small darning ring. It is suitable for the

Ruler / Template for buttonholes, hems, pleats etc.

The ruler / template is extremely versatile and simple. Using the red slide, the required size can be set with millimetre accuracy

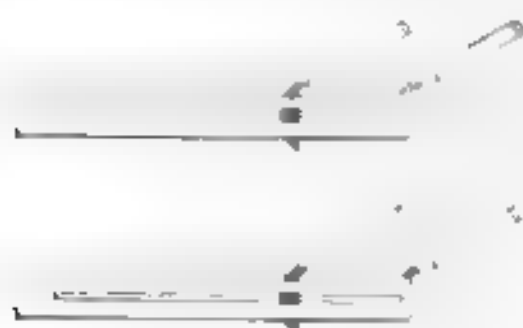
2 Calculation of buttonhole lengths

Button + 2 - 3 mm (+ 1/2")

fancy buttons:
button + 5 - 8 mm



a Using the edges when lines are required



b Using the small holes when dots are required



Examples

1 Marking at intervals

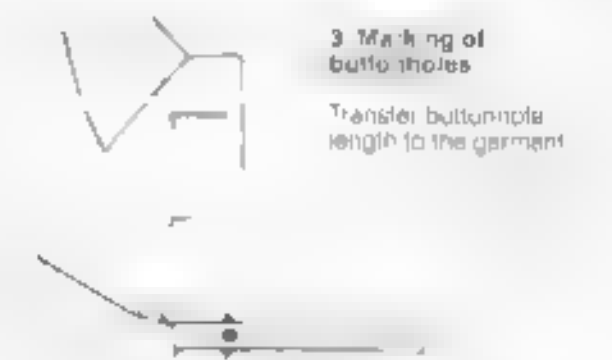
For button holes, buttons, zippers, pleats etc.

Set the desired space with the red slide.
Transfer dots or lines to the work.



3 Marking of buttonholes

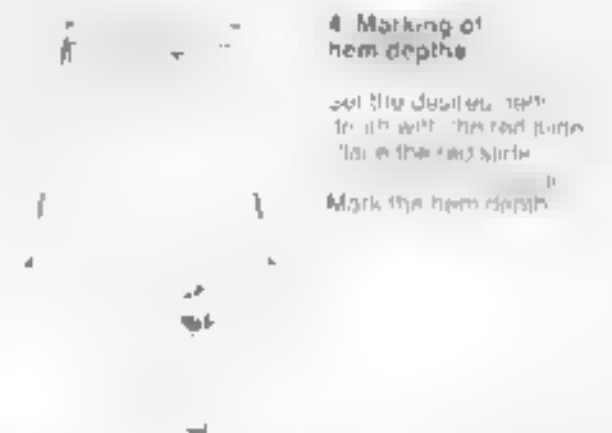
Transfer buttonhole length to the garment



4 Marking of hem depths

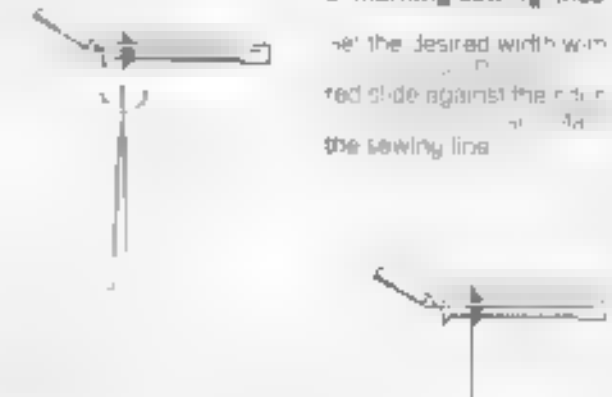
Set the desired hem depth with the red slide.
Place the red slide

Mark the hem depth



5 Marking sewing lines

Set the desired width with the red slide against the ruler.
Mark the sewing line

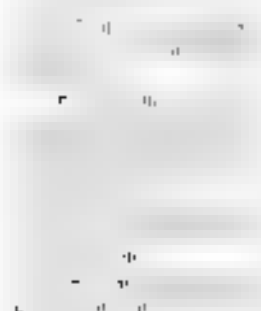


Troubleshooting Maintenance

Fault prevention



Check whether



→ The hook  is closed and placed

Any remnants of thread

→

→

→

Upper thread breaks



Needle breaks



Machine fails to run, or
will run only slowly



Lower thread breaks



Faulty tension



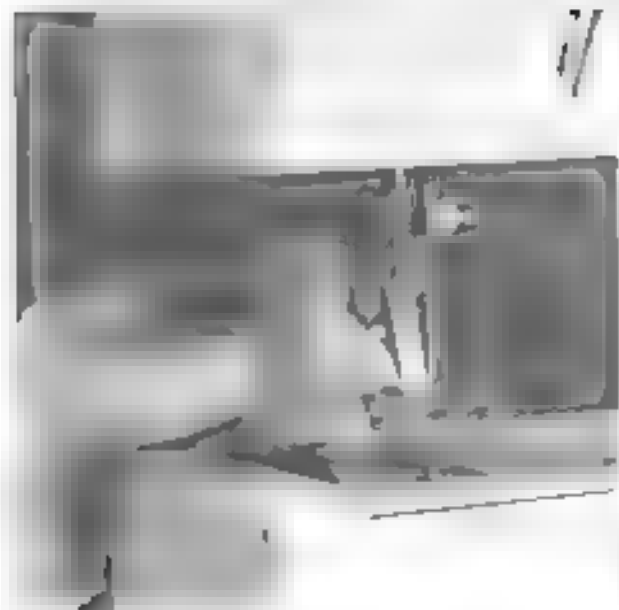
Skipped stitches



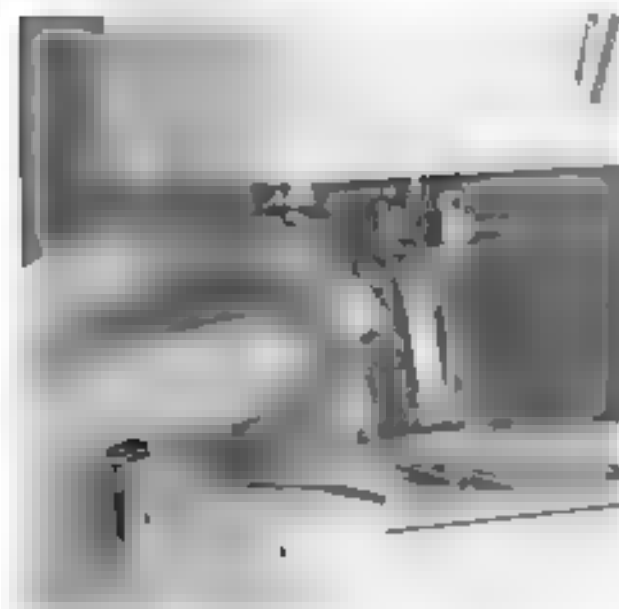
Important

If you have to take your
machine to a JAL NINA
dealer, please always
take the "out of trial unit"

Changing the bulb



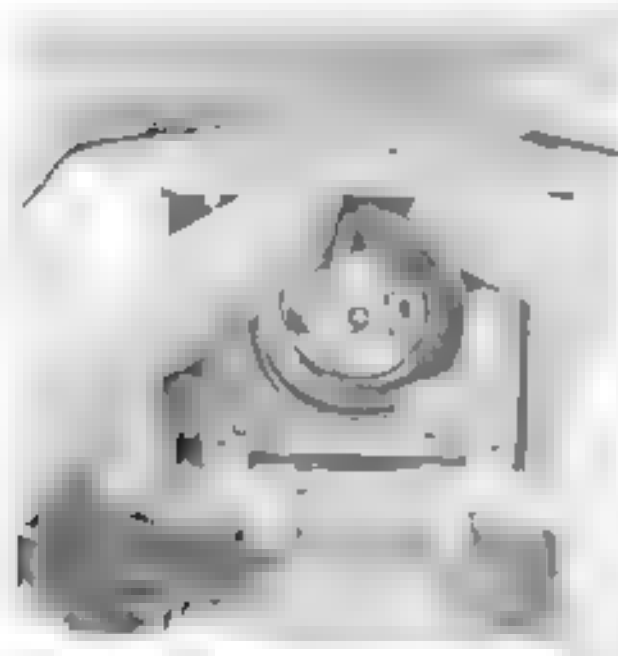
Changing the bulb



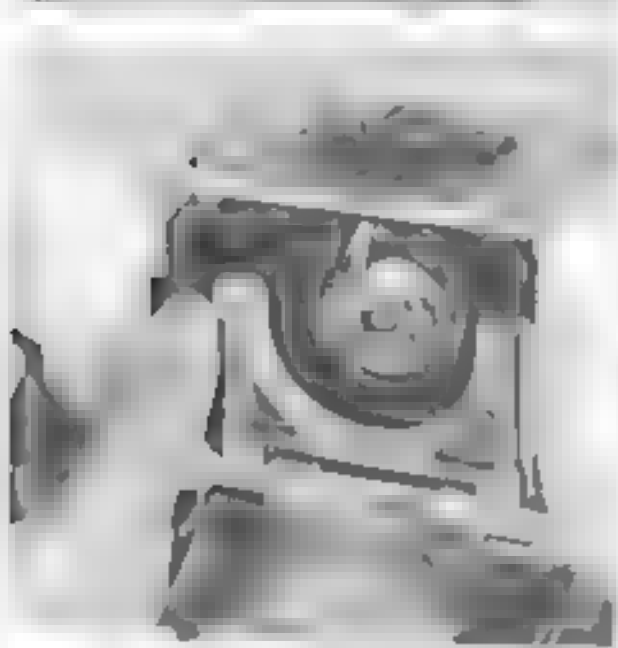
WARNING:

11
12

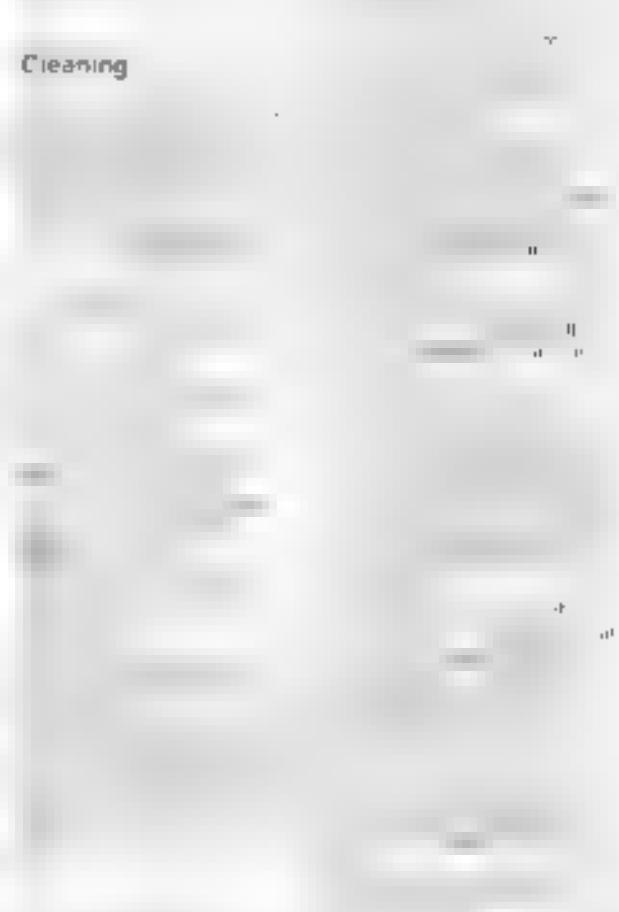
Maintenance: Cleaning and oiling



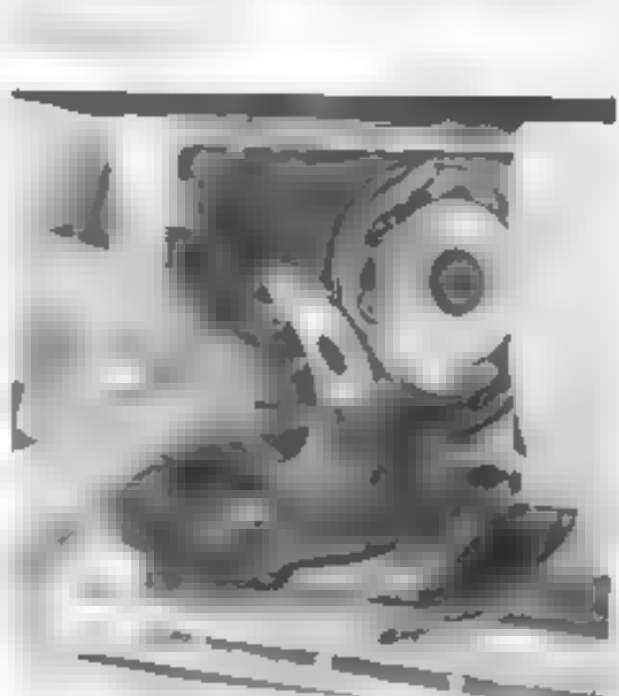
Cleaning



To clean and oil
the hook



WARNING:



Bernina publications



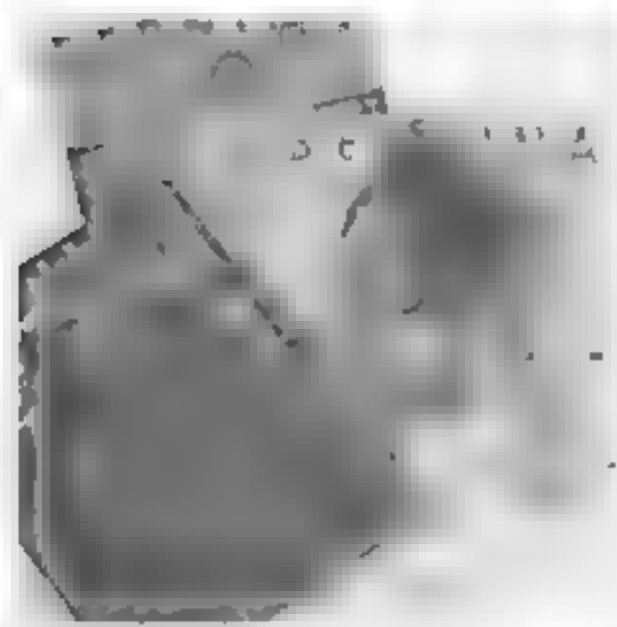
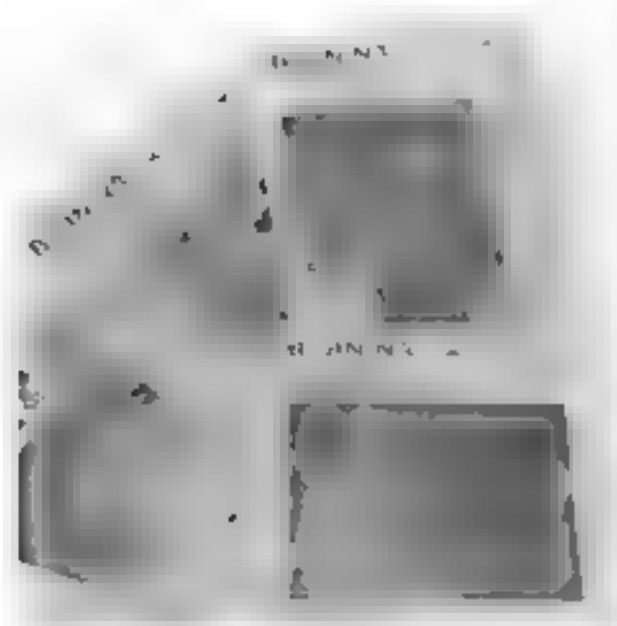
Full Bernina regularly
reissues sewing

Bernina Creative Sewing



Bernina Collection

these booklets deal with



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WARNING:

Before using your sewing machine, please read the Safety Instructions

Sollte diese Maschine in ein anderes Sprachgebiet verkauft werden, fordern Sie beim nationalen Importeur oder Bernina-Händler eine Bedienungsanleitung in der entsprechenden Sprache an.

If this machine has been purchased in a foreign country, please request an instruction manual in your own language from the national importer or a Bernina dealer.

Si cette machine est vendue dans une autre région linguistique, demandez à l'importateur national ou à l'agent Bernina, un manuel d'instructions dans la langue correspondante.

In caso questa macchina fosse venduta in un territorio di lingua diversa si prega di richiedere il libretto d'istruzione nella lingua adeguata presso l'importatore nazionale oppure presso un rivenditore Bernina.

Si esta máquina se vende en otra región lingüística entonces pida Vd. de su importador nacional o del representante Bernina un manual de instrucciones en el idioma correspondiente.

Indien deze machine in een ander taalgebied werd gekocht, kunt u bij de nationale importeur of Bernina-veehandelaar een handleiding in de overeenkomstige taal aanvragen.

Skulle denne maskine blive solgt i et andet sprogområde, bedes du henvende dig hos den nationale Bernina-importør eller en Bernina-forhandler, hvor du kan købe en brugsanvisning på det ønskede sprog.

Om den här maskinen har köpts i ett annat land, var vänlig beställ en instruktionsbok på ditt eget språk från importören eller en Bernina-återförsäljare.

Et denne maskinen kjøpt i utlandet, kan instruksjonsbok bestilles på ditt eget språk fra Bernina importøren eller nærmeste Bernina forhandler.

Tarvittaessa voit tiedustella omakielistä käyttöohjetta Bernina-myyntijältä tai jälleenmyyjältä.

SE ESTA MÁQUINA FOI COMPRADA NUM PAÍS ESTRANGEIRO, DEVER-SE-A PEDIR O MANUAL DE INSTRUÇÕES NAQUELA LÍNGUA AO IMPORTADOR NACIONAL OU AO FORNECEDOR DA BERNINA.

ΑΝ Η ΜΗΧΑΝΗ ΕΧΕΙ ΑΓΟΡΑΣΤΕΙ ΣΕ ΜΙΑ ΞΕΝΗ ΧΩΡΑ, ΠΑΡΑΚΑΛΩ ΖΗΤΗΣΤΕ ΕΝΑΝ ΟΔΗΓΟ ΛΕΙΤΟΥΡΓΙΑΣ ΣΤΗΝ ΔΙΚΗ ΣΑΣ ΓΛΩΣΣΑ ΑΠΟ ΤΟΝ ΓΕΝΙΚΟ ΑΝΤΙΠΡΟΣΩΠΟ ΤΗΣ BERNINA Η ΑΠΟ ΤΟΥΣ ΠΩΛΗΤΕΣ ΤΗΣ BERNINA.

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